PET FRIENDLY DETECTOR

PET-DET1

User's Manual

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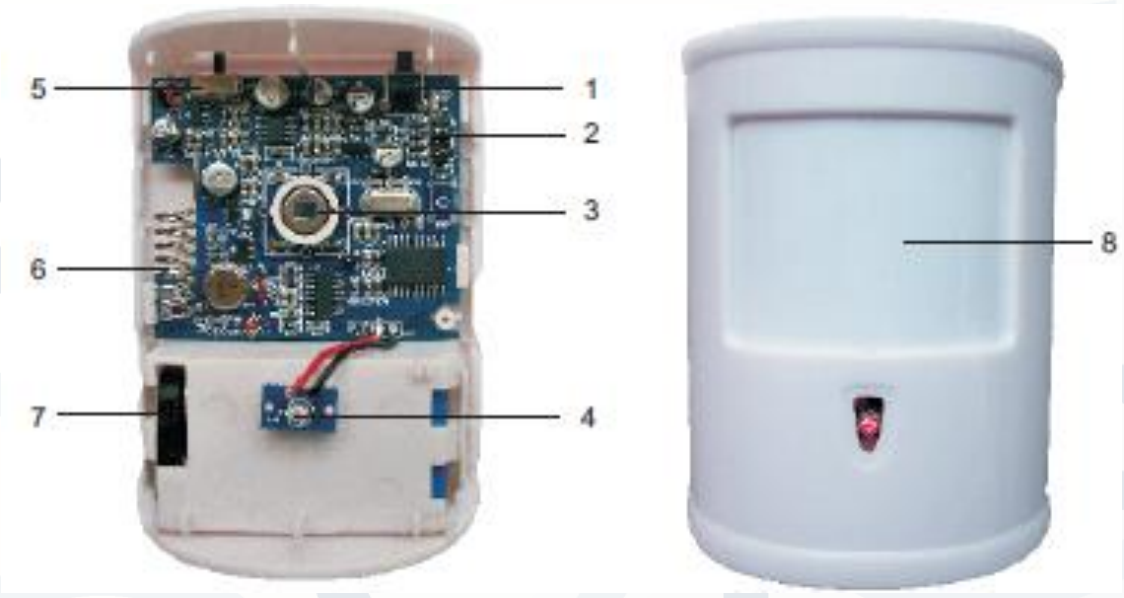
1. FEATURES

- Temperature compensation controlled by a Microprocessor
- Immunity to pets weighing up to 10Kg
- The main microprocessor carries out a digital analysis of environmental variables to prevent false alarm
- Programmable pulses counter controls detection sensitivity
- State-of-the-art SMT, inhibits RFI, EMI interference
- Low current consumption to prolong battery life
- Low-battery status LED indication

2. OVERVIEW



KEY:

1	Coding button	**2**	Jumper function	**3**	Dual infrared sensor
4	LED indication	**5**	Power switch	**6**	Spiral antenna
7	9VDC battery	**8**	Fresnel lens		

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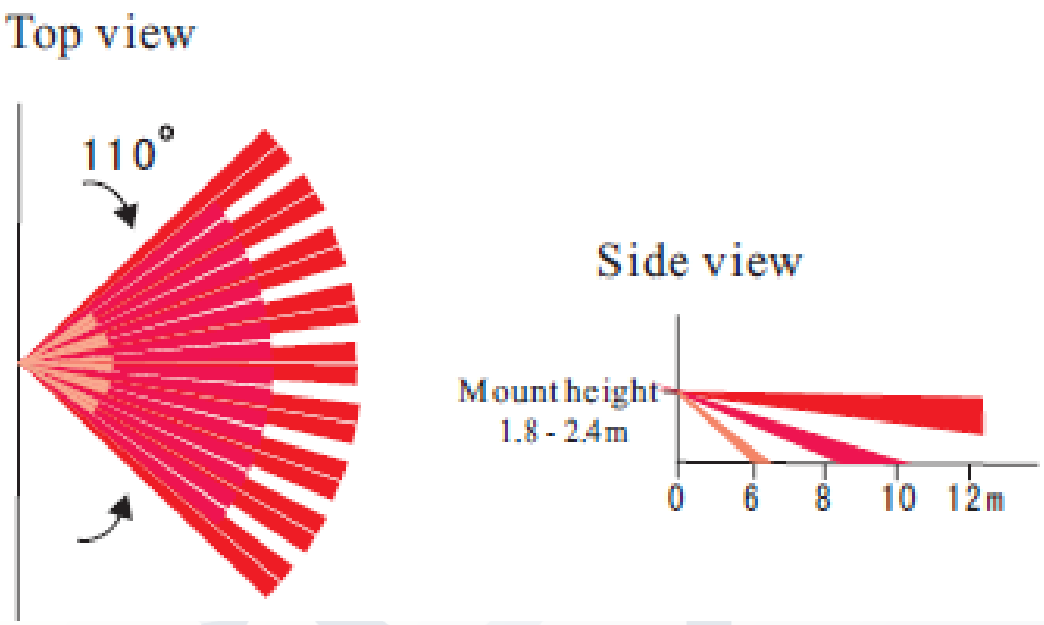
3. SPECIFICATIONS

Battery Supply	9VDC
Current drain	Transmit current drain <17mA(9VDC)
	Standby current drain <28uA(9VDC)
Detection distance	10~12m(25℃)
Detection angle	Horizontal 110
Transmit range	80m(no barriers)
Frequency	315MHz/ 433.92MHz
Alarm indication	LED lights for 2~3 seconds
Pulse counter	'1', '2', '3' pulse selectable (default: '1')
Sensor	Dual element, low noise, pyroelectric thermal sensor.
Mounting	Mounting height: 1.8-2.4m
Temperature	Working temperature: -10℃～50℃
	Storage temperature: -20℃～60℃
Dimension	96*75*42mm (L*W*H)

4. LENS DATA



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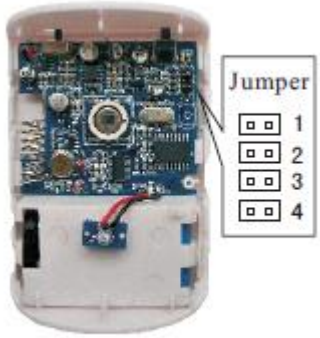
5. SET THE JUMPER



5.1 Pulse counter(Adjust sensitivity)

Sensitivity	Pulse	Jumper 1	Jumper 2
High	1 pulse	ON	OFF
Middle	2 pulses	OFF	ON
Low	3 pulses	OFF	OFF

NOTE: *The higher rate of pulses, the lower the sensitivity and the fewer false alarms.*

Default: 1 pulse

5.2 Operation mode

Status	Jumper 3	Jumper 4
Testing	ON	OFF
Working	OFF	ON
Invalid	OFF	OFF

TEST: This mode is used for Walk testing. LED indication illuminates when sensor detects movement.

NORMAL(default): To save battery life the detector alarm will discontinue 3.5minutes after the alarm trigger incident.

NOTE: *The detector will re-activate three minutes after the last alarm.*

6. LOW BATTERY INDICATION

When the battery voltage is lower than 5.9VDC, the LED indicator flashes once every 30seconds, alerting the user to change battery.

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7. INSTALLATION

7.1 Installation Hints

1. Select an appropriate mounting location so that intruder`s motion will be perpendicular to the sensor’s detection direction.

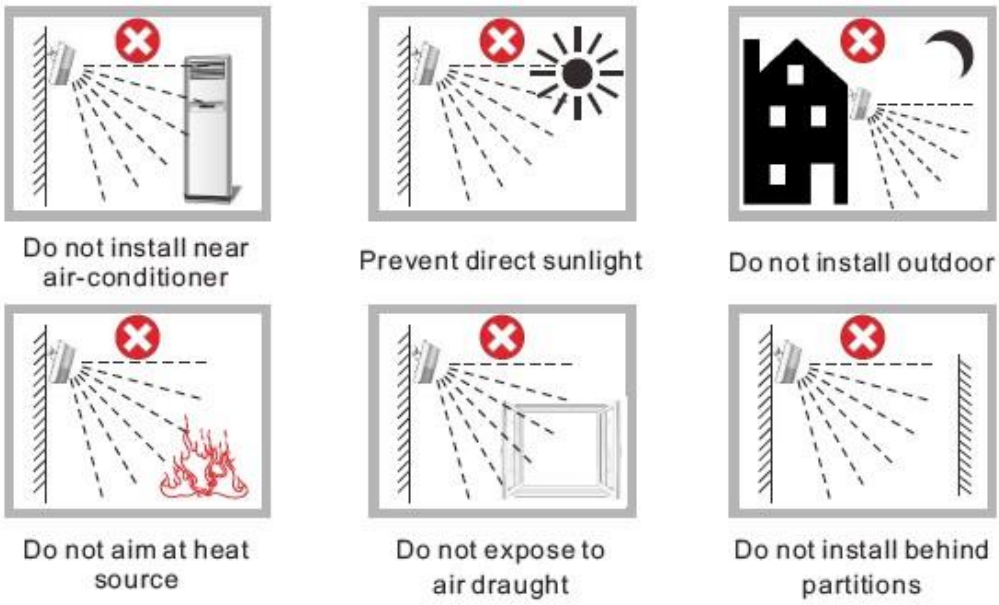
2. To obtain the best coverage as possible, the mount height should be between 1.8m to 2.4m. The higher the installation place, the larger blind area close to detector.

3. The installation distance should provide reliable communication between sensor and alarm control panel.

4. To maintain maximum coverage range where no pet is present, tilt the bracket downward 5 to 16° when mounting the sensor.

5. In pet-immune applications, the bracket should be used for horizontal alignment only. The detector that remains vertical should always be perpendicular to the floor.

6. The detecting area should be kept away from the furniture that the pet may climb up on.


Do not install near air-conditioner
Prevent direct sunlight
Do not install outdoor
Do not aim at heat source
Do not expose to air draught
Do not install behind partitions

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7.2 Installation Procedure

1. Remove battery cover and insert 6F22 9VDC battery. LED indicator will flash for 30 seconds until the sensor is stabilised.

2. Refer to the control panel manual and code the detector into alarm control panel. When control panel is ready to code, press coding button or trigger the detector.

3. When the LED lights or the control panel emit corresponding sound, it indicates the coding is successful.

4. Mark the points for drilling through the mounting holes of the bracket. Attach the bracket to the mounting surface and fix the sensor into bracket.

5. Perform walking test.

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8. WALK TESTING

Refer to instruction part 5.2, set detector to TEST mode.

1. Power up detector. Perform the walking test one minute later when the detector is stabilized.

2. Set the proper pulse counter (sensitivity) as installation environment required.

3. Walk across the detector's coverage area with the speed of 0.75cm per step. The alarm LED will be on for 2~3 seconds, indicating it has detected your movement. Please wait for about 5 seconds and let the detector become stable before the next test.

4. If a pet may cross the protected area in the future, it is advisable to test area with a pet. Make sure that the detector will not cause a false alarm, even if the pet is in the protected area or is climbing up onto the furniture.

5. When walking test is finished, set the detector under normal mode to prolong battery life

ATTENTION: To assure proper function of the detector, the protected area should be checked at least twice a year.

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